

Attorney Docket No. DOGO.P012

## AMENDMENTS

### IN THE CLAIMS

- 1 1. (Original) A system for updating electronic files of remote devices, comprising:
  - 2 a first device including a file differencing engine that generates differences
  - 3 between an original version and a new version of an electronic file by:
    - 4 identifying a first type of difference between the original and the new
    - 5 versions;
    - 6 generating a modified version of the original version using information of
    - 7 the first type of difference;
    - 8 generating encoded differences between the modified version and the new
    - 9 version, wherein the encoded differences include a second type of difference
    - 10 between the original and the new versions;
    - 11 encoding the information of the first type of difference;
    - 12 generating a difference file including the encoded differences and the
    - 13 encoded information of the first type of difference; and
    - 14 a file updating engine hosted on the remote device, the file updating engine
    - 15 generating a copy of the new version using the difference file.
  
- 1 2. (Original) The system of claim 1, wherein generating a copy of the new version  
2 using the difference file further comprises:
  - 3 receiving the difference file;
  - 4 reading the encoded information of the first type of difference;
  - 5 generating a modified version of the original file using the encoded information of
  - 6 the first type of difference; and
  - 7 generating a copy of the new file using the modified version of the original file
  - 8 and the encoded differences between the modified version and the new file.

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1 3. (Original) The system of claim 1, wherein the first type of difference includes at  
2 least one of differences resulting from address shifts due to source code line deletions,  
3 differences resulting from address shifts due to source code line additions, differences  
4 resulting from address shifts due to source code line modifications, differences resulting  
5 from address shifts due to code block swapping, and differences resulting from  
6 compiling/linking the new version.

1 4. (Original) The system of claim 1, wherein the second type of difference includes  
2 at least one of differences resulting from source code line deletions, differences resulting  
3 from source code line additions, differences resulting from source code line  
4 modifications, differences resulting from data initialization changes, differences resulting  
5 from resource file changes, differences resulting from configuration file changes, and  
6 differences resulting from dictionary changes.

1 5. (Original) The system of claim 1, wherein the remote device includes at least one  
2 of cellular telephones, portable communication devices, personal digital assistants,  
3 personal computers, and portable processor-based devices.

1 6. (Original) An apparatus for generating difference files, comprising:  
2 means for identifying a first type of difference between an original file and a new  
3 file, wherein the new file includes an updated version of the original file;  
4 means for generating a modified version of the original file using information of  
5 the first type of difference;  
6 means for generating encoded differences between the modified version and the  
7 new file, wherein the encoded differences include a second type of difference between  
8 the original and the new files;  
9 means for encoding the information of the first type of difference; and  
10 means for generating a difference file including the encoded differences and the  
11 encoded information of the first type of difference.

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1 7. (Original) The apparatus of claim 6, further comprising means for transferring the  
2 difference file to a remote system that hosts a copy of the original file, the remote system  
3 updating the hosted copy of the original file using the difference file.

1 8. (Currently Amended) A method for generating difference files using a processor-  
2 based system, comprising:

3 receiving an original file and a new file, wherein the new file includes an updated  
4 version of the original file;

5 identifying a first type of difference between the original file and the new file;  
6 generating a modified version of the original file using information of the first  
7 type of difference;

8 generating encoded differences between the modified version and the new file,  
9 wherein the encoded differences include a second type of difference;  
10 encoding the information of the first type of difference; and  
11 generating the difference file including the encoded differences and the encoded  
12 information of the first type of difference.

1 9. (Currently Amended) The method of claim 8, further comprising:  
2 transferring the difference file to at least one remote system via at least one  
3 coupling, wherein the remote system includes at least one processor-based system,  
4 wherein the coupling includes at least one of a wireless coupling, a wired coupling, and a  
5 hybrid wireless/wired coupling; and  
6 updating a hosted copy of the original file in the at least one remote processing  
7 system systems using the difference file.

1 10. (Original) A method for updating electronic files hosted on remote systems,  
2 comprising:  
3 receiving an original file and a new file, wherein the new file includes an updated  
4 version of the original file;  
5 identifying a first type of difference between the original file and the new file;

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6 generating a modified version of the original file using information of the first  
7 type of difference;

8 generating encoded differences between the modified version and the new file,  
9 wherein the encoded differences include a second type of difference;

10 encoding the information of the first type of difference;

11 generating a difference file including the encoded differences and the encoded  
12 information of the first type of difference; and

13 updating a hosted copy of the original file in the remote systems using the  
14 difference file.

1 11. (Original) The method of claim 10, wherein updating further comprises:  
2 receiving the difference file;

3 reading the encoded information of the first type of difference;

4 generating a modified version of the original file using the encoded information of  
5 the first type of difference; and

6 generating a copy of the new file using the modified version of the original file  
7 and the encoded differences between the modified version and the new file.

1 12. (Currently Amended) A computer readable storage medium including executable  
2 instructions which, when executed in a processing system, generate a difference file that  
3 includes coded differences between an original file and a new file by:

4 receiving the original and the new file, wherein the new file includes an updated  
5 version of the original file;

6 identifying a first type of difference between the original file and the new file;

7 generating a modified version of the original file using information of the first  
8 type of difference;

9 generating encoded differences between the modified version and the new file;

10 encoding the information of the first type of difference; and

11 generating a difference file including the encoded differences and the encoded  
12 information of the first type of difference.